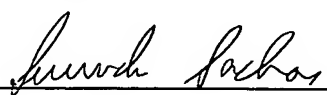| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE	ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES	295295US0X PCT
DESIGNATED/ELECTED OFFICE (DO/EO/US)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371	**10/590810**

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/IB05/00734	February 25, 2005	February 27, 2004

TITLE OF INVENTION

METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES, METHODS FOR OBTAINING THE SAME, AND APPLICATIONS TO THE SAME

APPLICANT(S) FOR DO/EO/US

Jean-Luc JESTIN, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ■ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.

2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.

3. ■ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.

4. ☐ The US has been elected (Article 31).

5. ■ A copy of the International Application as filed (35 U.S.C. 371(c)(2))

     a. ☐ is attached hereto (required only if not communicated by the International Bureau).

     b. ■ has been communicated by the International Bureau.

     c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).

6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).

     a. ☐ is attached hereto.

     b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).

7. ■ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))

     a. ☐ are attached hereto (required only if not communicated by the International Bureau).

     b. ☐ have been communicated by the International Bureau.

     c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.

     d. ■ have not been made and will not be made.

8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

     a. ☐ If the declaration is in a language other than the English language, it is accompanied by an English translation. The translation is accurate (37 CFR 1.69)

10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).

12. ■ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ■ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

     a. ■ PTO-1449   b. ■ Cited References (2)   c. ☐ Statement of Relevancy   d. ☐ List of Related Cases.

14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

15. ☐ A **FIRST** preliminary amendment.

16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.

17. ■ An Application Data Sheet under 37 CFR 1.76.

18. ☐ A substitute specification.

19. ☐ A power of attorney and/or change of address letter.

20. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.

21. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).

22. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).

23. ■ Other items or information: Notice of Priority

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
10/590810	PCT/IB05/00734	295295US0X PCT

The following fees are submitted:	CALCULATIONS	PTO USE ONLY
24. ■ Basic national fee.. $300	$300.00	
25. ■ Examination fee If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .... $0 All other situations... $200	$200.00	
26. ■ Search fee If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)...... $0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.. $100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB .... $400 All other situations... $500	$400.00	
TOTAL OF 24, 25 AND 26 =	$900.00	

☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is $250 for each additional 50 sheets of paper or fraction thereof.		

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole	RATE		
- 100 =	/ 50 =		x $250.00	$	

■ Surcharge of $130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).	$130.00	

CLAIMS	NUMBER FILED		NUMBER EXTRA	RATE		
Total claims	66	- 20 =	46	x $50.00	$2,300.00	
Independent claims	7	- 3 =	4	x $200.00	$800.00	
MULTIPLE DEPENDENT CLAIMS (if applicable)		☐	+ $360.00		$	

TOTAL OF ABOVE CALCULATIONS =	$4,130.00	
☐ Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		
SUBTOTAL =	$4,130.00	
☐ Processing fee of $130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). +	$	
TOTAL NATIONAL FEE =	$4,130.00	
☐ Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). $40.00 per property +	$	
☐ Petition fee of $1,500.00 for Petition to Revive (37 CFR 1.137 (b)). +	$	
TOTAL FEES ENCLOSED =	$4,130.00	
	Amount to be refunded:	$
	Amount to be charged:	$

a. ☐ A check in the amount of $_____ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. **15-0030** in the amount of $_____ to cover the above fees.

c. ■ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **15-0030**. A duplicate copy of this sheet is enclosed.

d. ■ Fees are to be charged to a credit card. **WARNING: Information on this form may become public. Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDCE TO:

CUSTOMER NUMBER

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 1/06)

SIGNATURE _Surinder Sachar (signature)_

Norman F. Oblon
NAME

Surinder Sachar
Registration No. 34,423

24,618
REGISTRATION NUMBER

PCT/US1/REV06